

# PJMBZ15V / PJMBZ27V

## DUAL TVS ZENER FOR ESD / TRANSIENT PROTECTION

This Dual Zener ESD/Transient Protector with a Common Cathode, Configuration has been designed to protect Sensitive Equipment against, ESD and prevent Latch-Up events. The combination of a dual device protects up to two data lines in a single package giving the advantage of board space savings where this is a premium.

**VOLTAGE** 12 / 22 Volts **POWER** 150 Watts

**SOT-23** Unit: inch ( mm )

### FEATURES

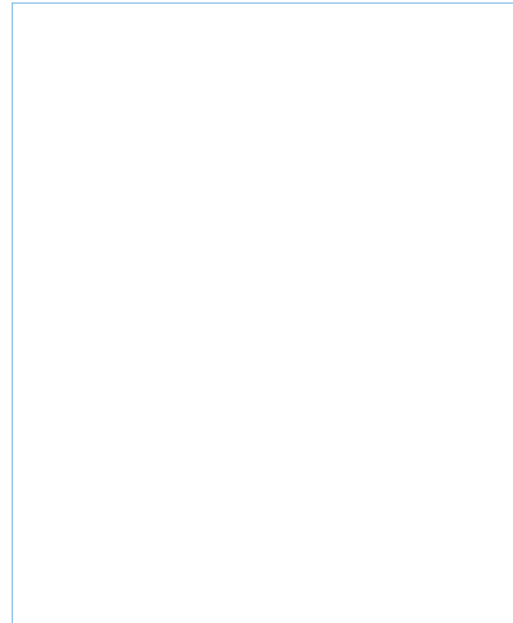
- Working Peak Reverse Voltage of 12V and 22V
- Maximum Leakage Current of 100nA and 50nA @  $V_{RWM}$
- IEC61000-4-2 Compliance 15kV Air, 8kV Contact Discharge
- Industry Standard SOT-23 Package
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### APPLICATIONS

- Data Transmission Line Ports
- Computer Monitor Interface Port Protection
- Portable Consumer Electronics
- Instrumentation Equipment

### MECHANICAL DATA

- Case: SOT-23, Plastic
- Terminals: Solderable per MIL-STD-750, Method 2026
- Apporx. Weight: 0.0003 ounce, 0.0084 gram



## MAXIMUM RATINGS

| PARAMETER                                | Symbol    | Value       | Units        |
|--|-----------|-------------|--------------|
| Peak Pulse Power 8x20 $\mu$ sec Waveform | $P_{PP}$  | 150         | W            |
| Peak Pulse Power 10x1000 $\mu$ sec       |           | 25          |              |
| ESD Voltage (HBM)                        | $V_{ESD}$ | >25         | kV           |
| Operating Temperature Range              | $T_J$     | -55 to +125 | $^{\circ}$ C |
| Storage Temperature Range                | $T_{STG}$ | -55 to +150 | $^{\circ}$ C |
| Lead Soldering Temperature (max 10 secs) | $T_L$     | 260         | $^{\circ}$ C |

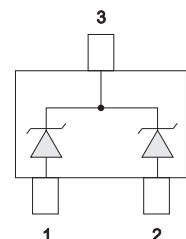


Fig.38